



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification<sup>5</sup> :</b> <b>A61K 37/50, C07K 13/00, C12N 15/53, 15/81</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 94/21283</b> <b>(43) International Publication Date:</b> 29 September 1994 (29.09.94)
<b>(21) International Application Number:</b> PCT/US94/03185 <b>(22) International Filing Date:</b> 24 March 1994 (24.03.94)  <b>(30) Priority Data:</b> 08/036,604      24 March 1993 (24.03.93)      US  <b>(71) Applicant:</b> BOEHRINGER INGELHEIM PHARMACEUTICALS, INC. [US/US]; 900 Ridgebury Road, Ridgefield, CT 06877 (US).  <b>(72) Inventors:</b> WEGNER, Craig; 10 Skyview Drive, New Milford, CT 06776 (US). WOLYNEIC, Walter, W., Jr.; 15 Weldon Woods Road, New Fairfield, CT 06812 (US).  <b>(74) Agents:</b> ESMOND, Robert, W. et al.; Sterne, Kessler, Goldstein & Fox, Suite 600, 1100 New York Avenue, Washington, DC 20005-3934 (US).		<b>(81) Designated States:</b> AU, BY, CA, CN, HU, JP, KR, NO, NZ, RU, UA, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> METHOD FOR INHIBITING PULMONARY OXYGEN TOXICITY USING MANGANESE SUPEROXIDE DISMUTASE		
<b>(57) Abstract</b>  An improved method for inhibiting pulmonary oxygen toxicity in a patient requiring elevated levels of inhaled oxygen, which comprises prophylactically administering to the patient, by topical administration, an effective amount of a human MnSOD tetramer.		

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